



## Revision on the practical exam 6 th Prim.

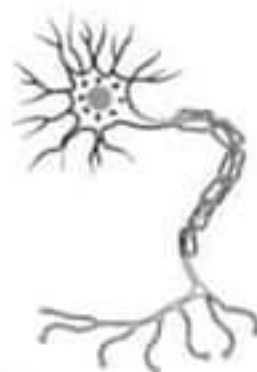
Question (1):- Write down the name of the sample in front of you:- اكتب اسم العينة الموجودة امامك



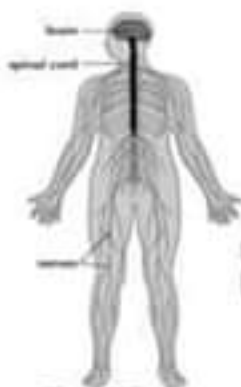
**Brain**



**One arm scale with pointer**



**Neuron**



**Nervous system**



**Spring balance**



**Skull**



**Medical thermometer**

## Question (2) :- Experiment التجربة

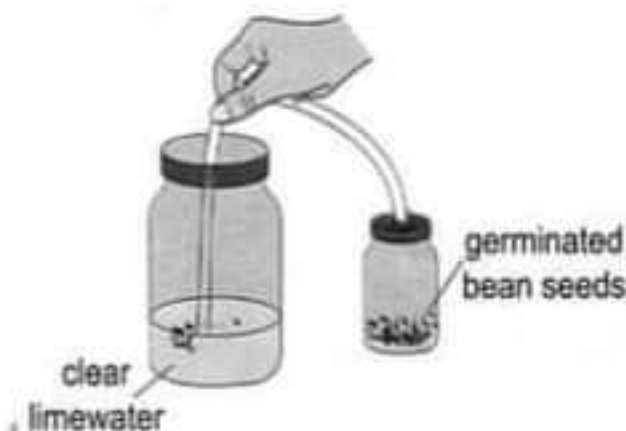
Connect a jar of germinated bean seeds to another jar containing clear lime water and leave them for a suitable time, then write your:-

### **Observation**

The clear lime water becomes milky

### **Conclusion:-**

Carbon dioxide gas is produced from the plant respiration



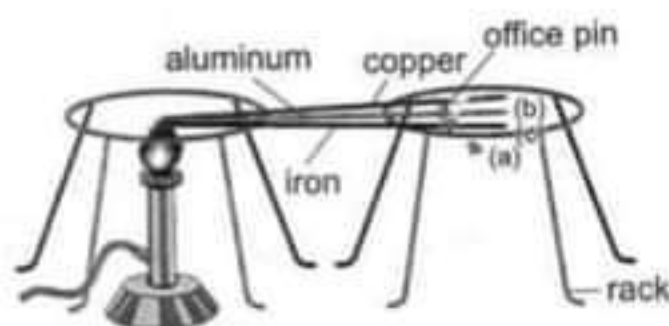
Question (2) :- Heat three metallic rods of iron, copper and aluminium after attaching them by pins fixed by wax, and then write your:-

### **Observation:-**

The pins of copper, aluminium and iron fall one after one respectively

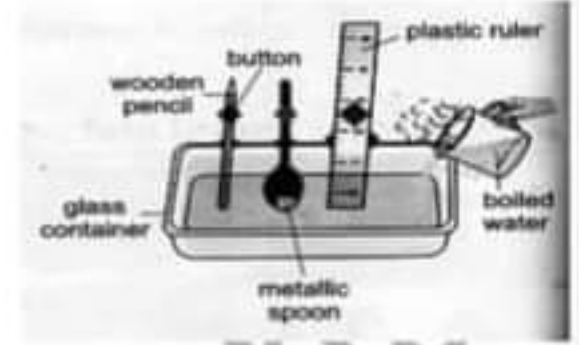
### **Conclusion:-**

Copper conducts heat faster than aluminium, faster than iron





**Question (2) :-** Stick a button by wax on a ruler, a metallic spoon and a pencil, then put them in a container filled with boiled water and then write your:-



**Observation:-**

The button of the spoon falls down , while the buttons of pencil and ruler do not fall

**Conclusion:-**

The Metallic spoon is a heat conductor material, while wood and plastic are insulators

تمنياتي للجميع دوام التفوق

**Best wishes**



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# SCIENCE

اختبار عملی

its Name: balance scale  
 its used: to Measure large Masses  
 Types: Two-arms - scales



its Name: Sensitive scale  
 it used: to Measure small Masses  
 Types: Two-arms - scales



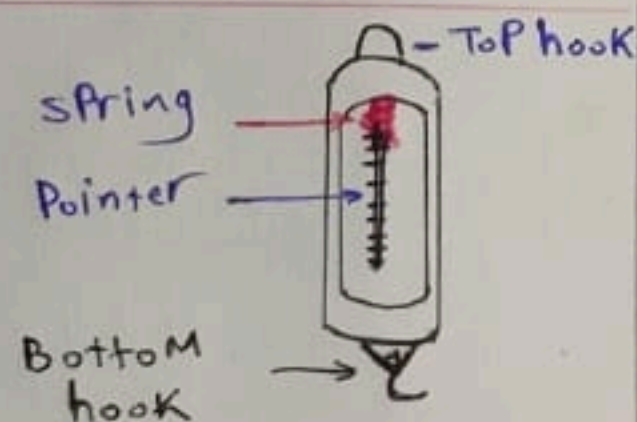
its Name: Scale with the Pointer  
 It used: to Measure large Masses  
 Types: one-arm scale



its Name: digital scale  
 its used: to Measure small Masses  
 Types: one-arm scale

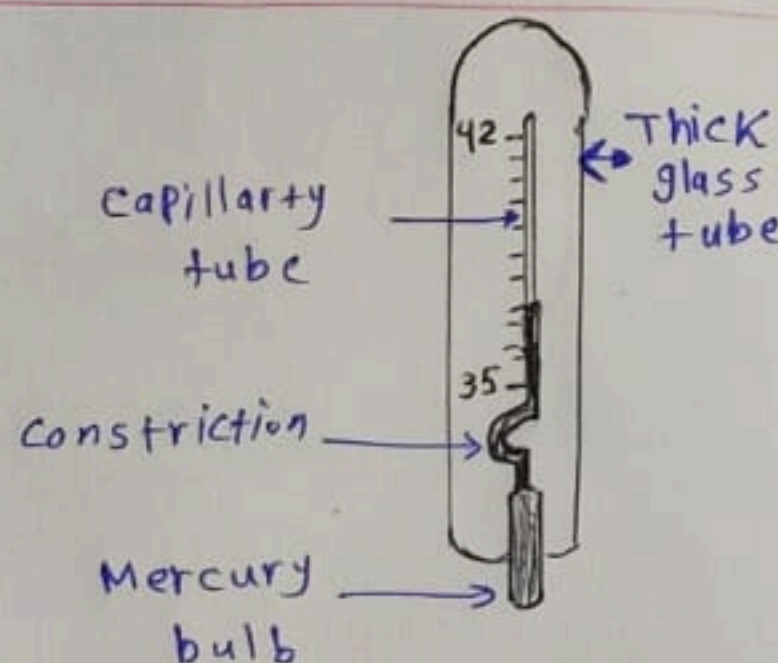


its Name: Spring scale  
 its uses: To Measure weight  
 Consists of: Top hook - Spring  
 Pointer - Bottom hook



its Name: Medical temperature  
 its uses: To Measure the  
temperature of human body

Consists of:  
 ① Thick glass tube  
 ② capillary tube  
 ③ Constriction  
 ④ Mercury bulb



Start from 35° to 42°



2

its name: Digital thermometers

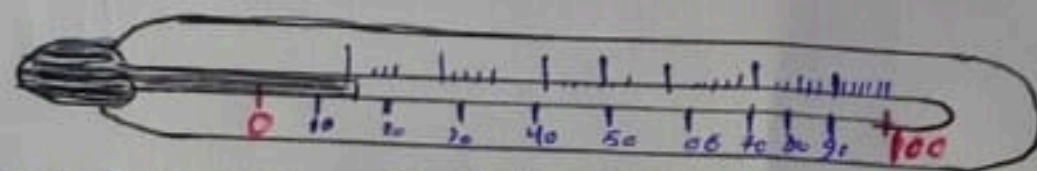
its uses: to Measure the Temperature  
digitally

and used especially for children



its name: Celsius thermometers

its uses: to Measure the Temperature of Liquids



Consists of: ① thick glass tube

② capillary tube

③ Mercury bulb

start From  $0^{\circ}$  to  $100^{\circ}$

write the labels indicated by the numbers:

(1) Mercury bulb

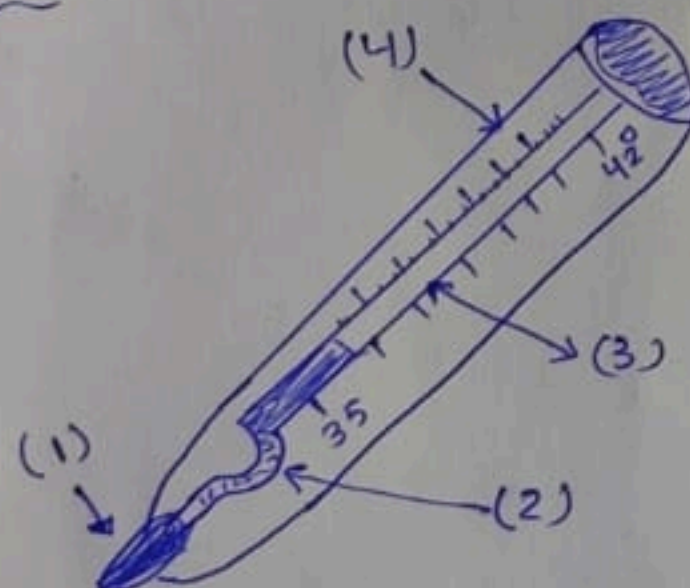
(2) Constriction

(3) Capillary tube

(4) Thick glass tube

(5) The scale of this thermometer

start from  $35^{\circ}$  to  $42^{\circ}$



(Medical) thermometer

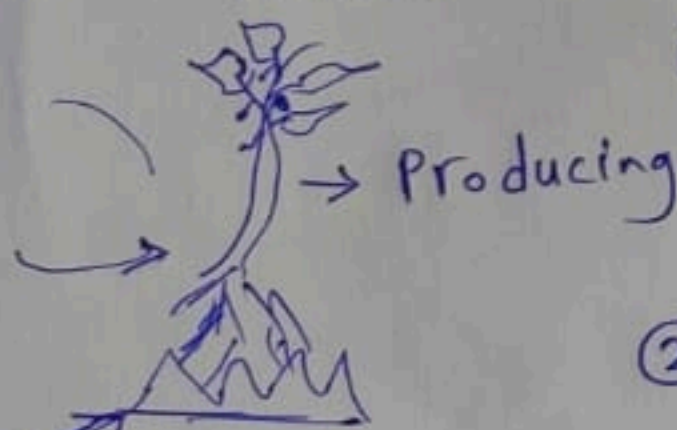
Need

in the Photosynthesis  
Process

① Light energy  
From the sun

② carbon dioxide  
From the air

③ water and mineral salts  
From the soil



① Nutrients

② oxygen



3

## Preparation of oxygen gas

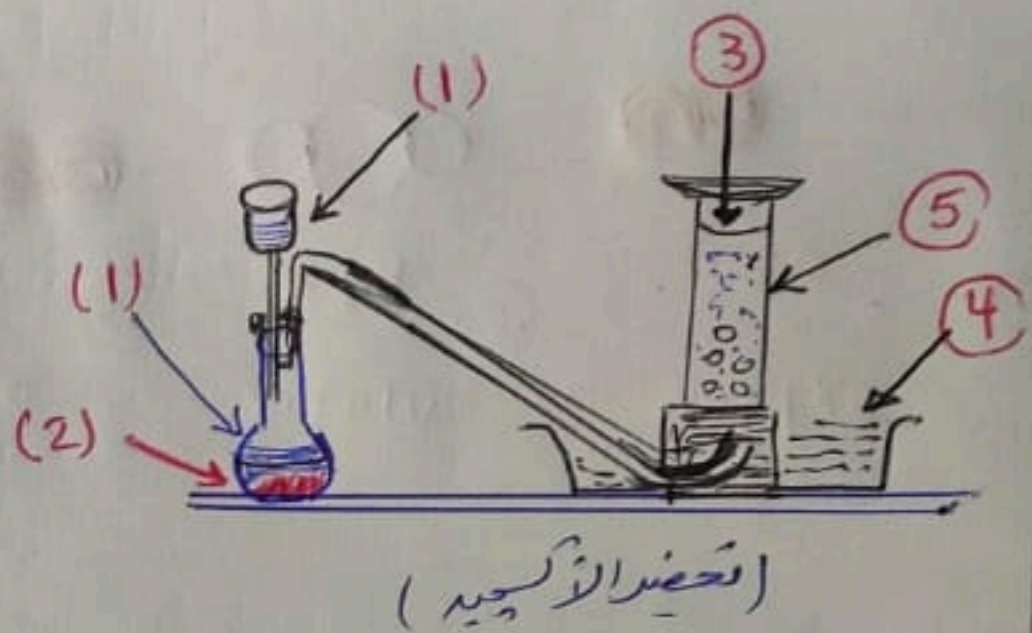
① → Hydrogen Peroxide

② → Manganese dioxide

③ - oxygen

④ - water

⑤ - cylinder



⑥ oxygen collected by downward displacement of water

## Preparation of Carbon dioxide

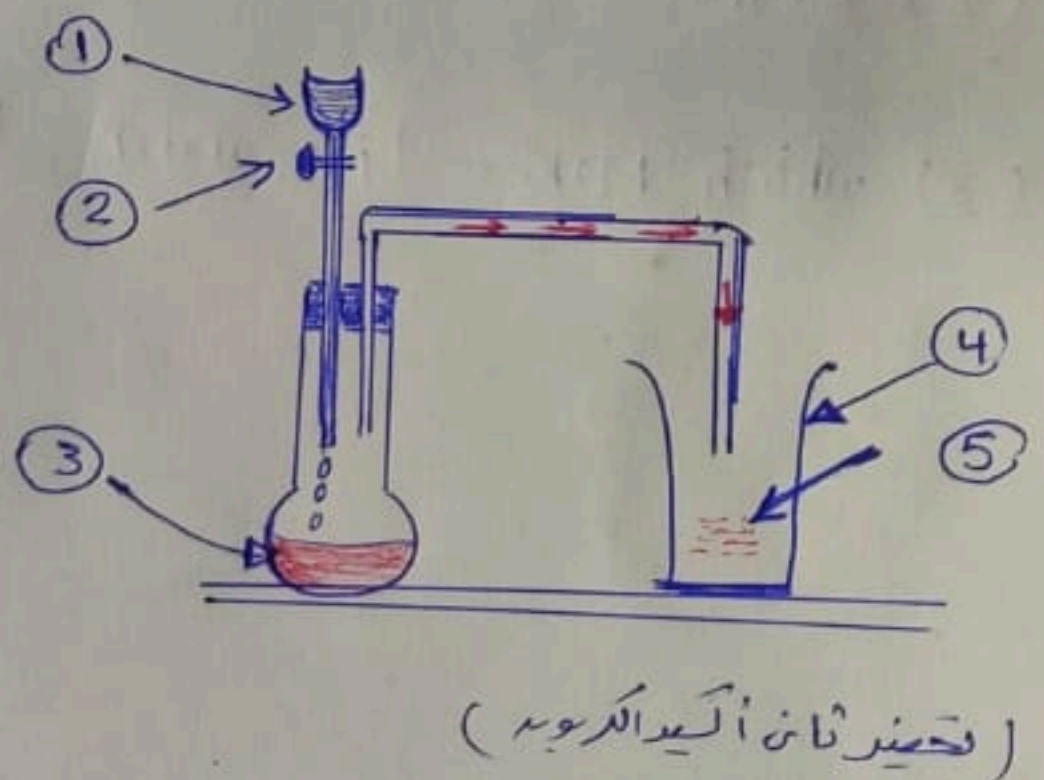
① Dilute hydrochloric acid

② Tap

③ Calcium Carbonate

④ - Cylinder

⑤ carbon dioxide gas



## (nerve cell) (الخلية العصبية)

(1) - Nucleus

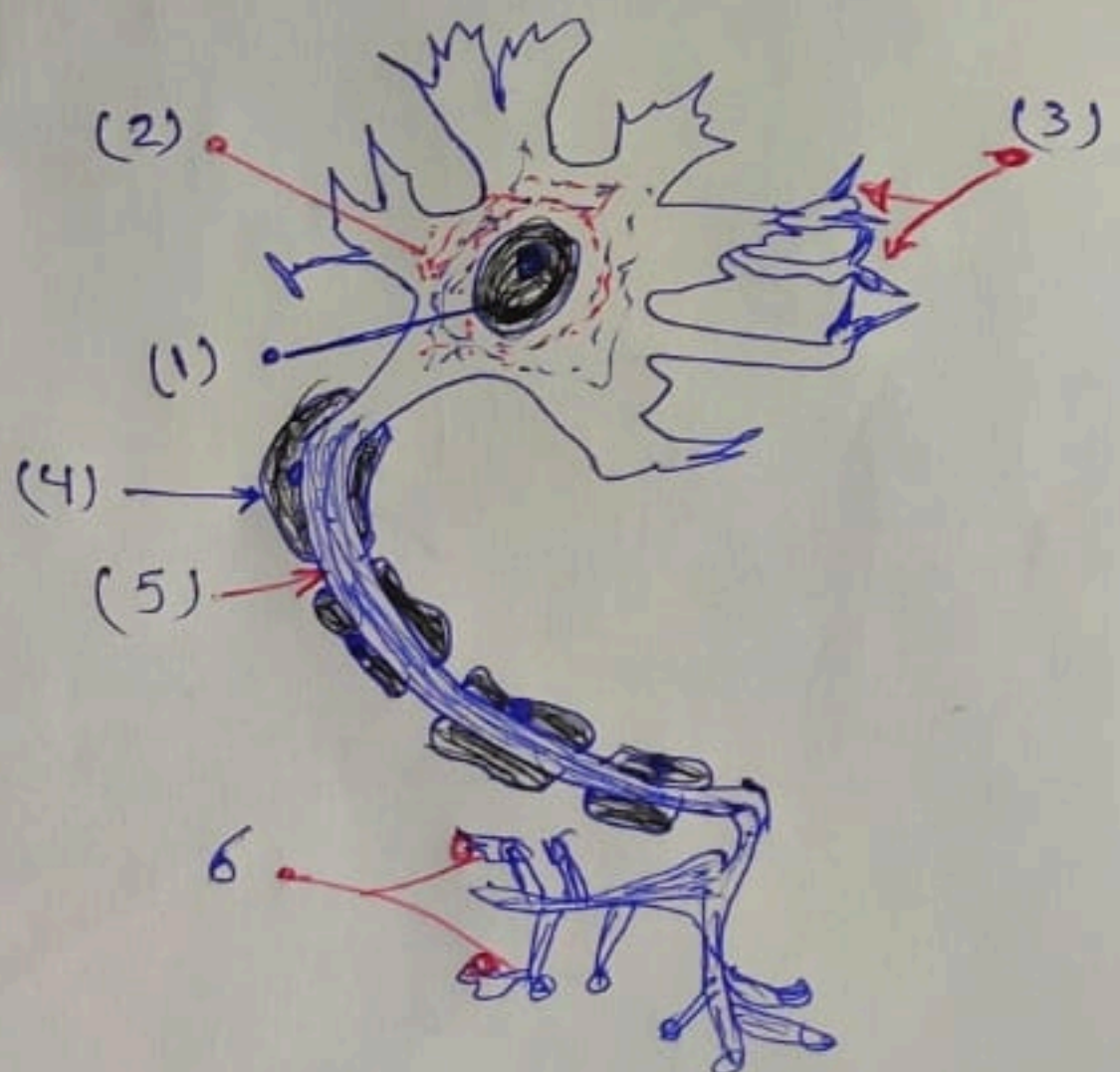
(2) - Cytoplasm

(3) - Dendrites

(4) - Myelin sheath

(5) - Axon

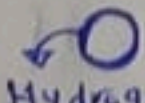
(6) Axon terminals







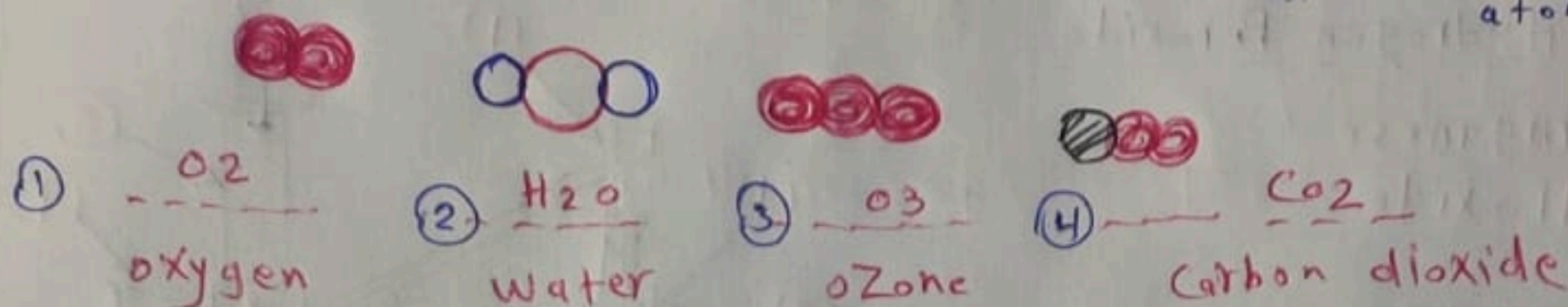
④ The Figure represents  
an \_\_\_\_\_ molecule

if  $\rightarrow$

 Hydrogen atom

 oxygen atom

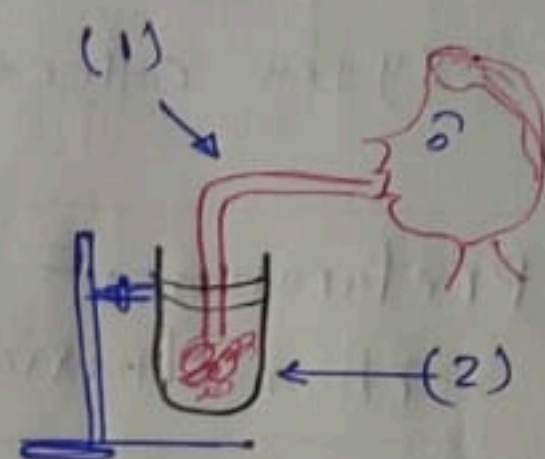
 Carbon atom



(1) Juice straw

(2) exhaled air contains Carbon dioxide

(3) which makes Lime water Milky



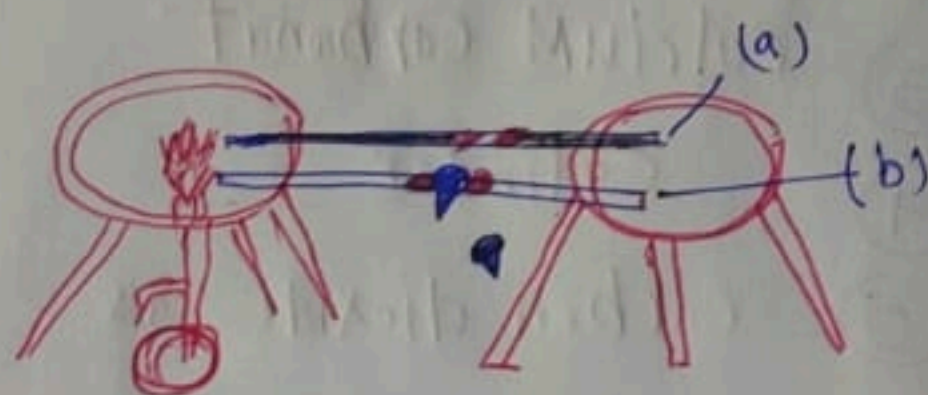
in opposite Figure is  $\rightarrow$   
an Iron nail Fixed with wax  
on each of the two rods

- one of the two ~~rod~~ rods

is Copper rod

and other is an Aluminium rod

which rod in the opposite Figure is copper? why



(Solution)

- The rod (a) is copper because the Pin Falls From it  
Faster than the other rod

Copper conducts heat Faster than Aluminium



First term practical examination  
(2017 / 2018)

A) This Figure indicate the Structure Of ... Nerve Cell  
(Neuron)

B) Write the labels indicated by the numbers

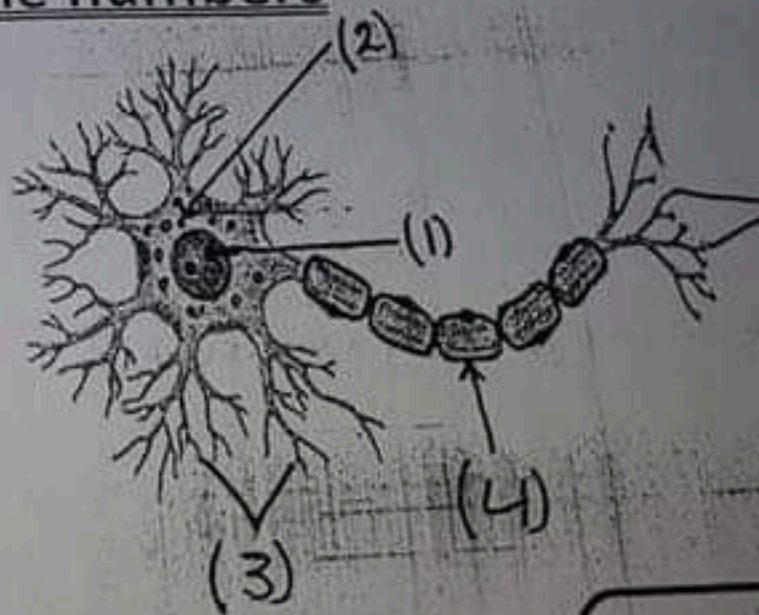
1).....Nucleus.....

3).....Cytoplasm.....

3).....Dendrites.....

4).....Myelin sheath.....

5).....axon.....Terminals.....



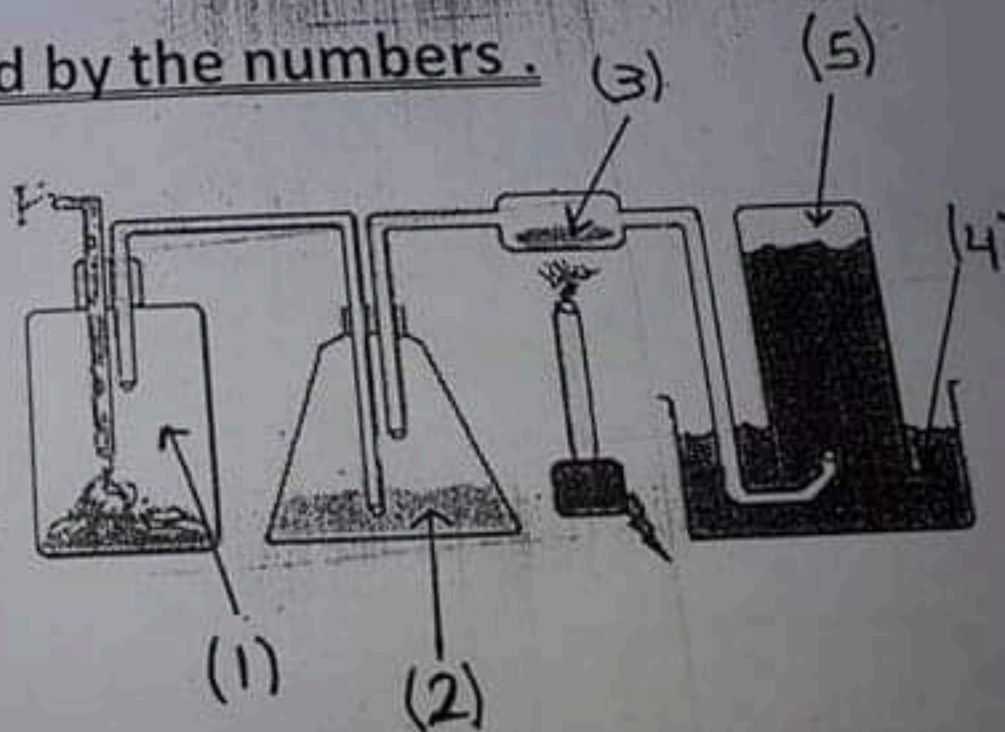


First term practical examination  
(2017 / 2018)

A) This apparatus used for the preparation  
of ..... Nitrogen .....

B) Write the labels indicated by the numbers .

- 1) ..... Mixed air .....
- 2) ..... Concentrated Sodium  
or potassium hydroxide .....
- 3) ..... Hot Copper .....
- 4) ..... Water .....
- 5) ..... Nitrogen .....



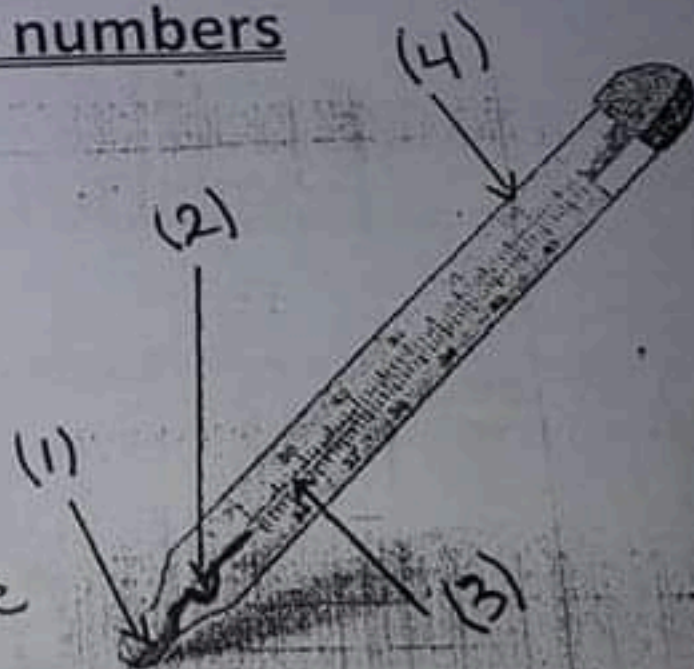


First term practical examination  
(2017 / 2018)

A) This Figure shows the ..... Medical ..... thermometer

B) Write the labels indicated by the numbers

- 1) ..... Mercury bulb
- 2) ..... Constriction
- 3) ..... Capillary tube
- 4) ..... Thick glass tube



C) The scale of this thermometer start ... 35 .....  $^{\circ}\text{C}$  to .. 42 ...  $^{\circ}\text{C}$

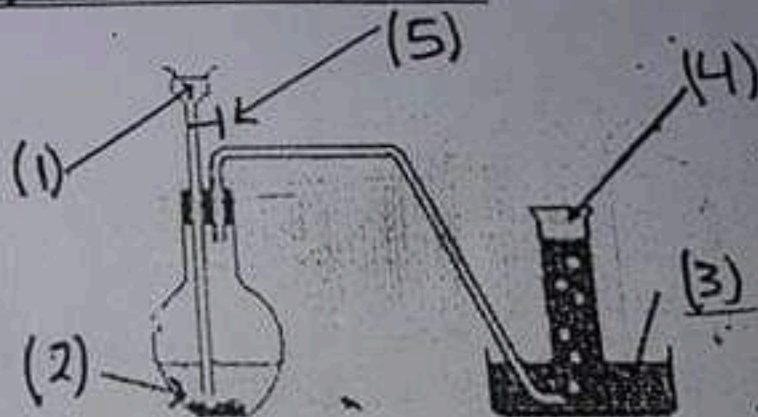


First term practical examination  
(2017 / 2018)

A) This apparatus is used for the preparation  
of ..... Oxygen .....

B) Write the labels indicated by the numbers .

- 1) ..... Hydrogen peroxide .....
- 2) ..... Funnel ..... Manganese  
dioxide .....
- 3) ..... water .....
- 4) ..... Oxygen .....
- 5) ..... Tap .....



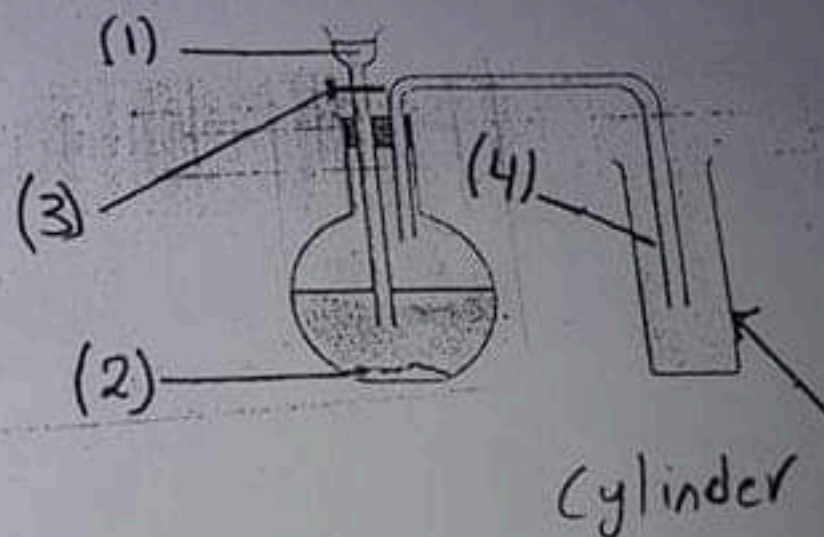


First term practical examination  
(2017 / 2018)

A) This apparatus is used for the preparation of....Carbon....dioxide..gas.

B) Write the labels indicated by the numbers .

- 1).....Dilute hydrochloric acid
- 2).....Calcium.....Carbonate
- 3).....Tapp
- 4).....Carbon.....dioxide..
- 5).....Cylinder.....





Practical Science1) Write the name of this apparatus and its uses :

a-

\* its name : Medical Thermometer

\* its uses : To measure <sup>تقيس</sup> temperature of <sup>الجسم البشري</sup> human body

b-

\* its name : Celsius Thermometer

\* its uses : To measure temperature of Liquids

2) Classify These materials to heat conductors and heat insulators :

( wood - paper - iron - copper - Aluminium - sand )

- Heat conductors : iron - copper - Aluminium
- Heat insulators : wood - paper - sand

3) Write your observation and conclusion on this experiment :

Obs : limewater becomes Turbid ( milky )

Conc : exhaled air contains carbon dioxide, which

Makes limewater milky

4) Write name of this apparatus and its uses :

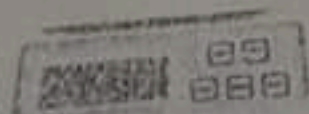
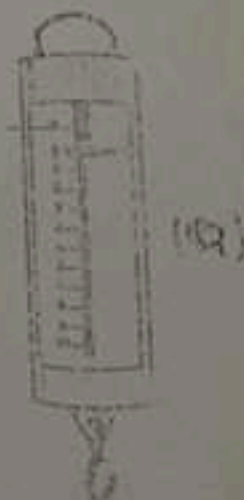
a-

\* its name : spring scale

\* its uses : To measure <sup>وزن</sup> weight of objects

b-

\* its name : Digital balance

\* its uses : To measure <sup>كتلة</sup> mass of objects

(b)



5) Write the name of this organ and write the labels on it :

\* The organ : <sup>الدماغ</sup> Brain

\* The labels :

✓ 1- cerebrum

✓ 2- cerebellum

✓ 3- Medulla oblongata



6) Write the name of this system and write the labels on it

\* The system : <sup>النظام العظمي</sup> skeletal system

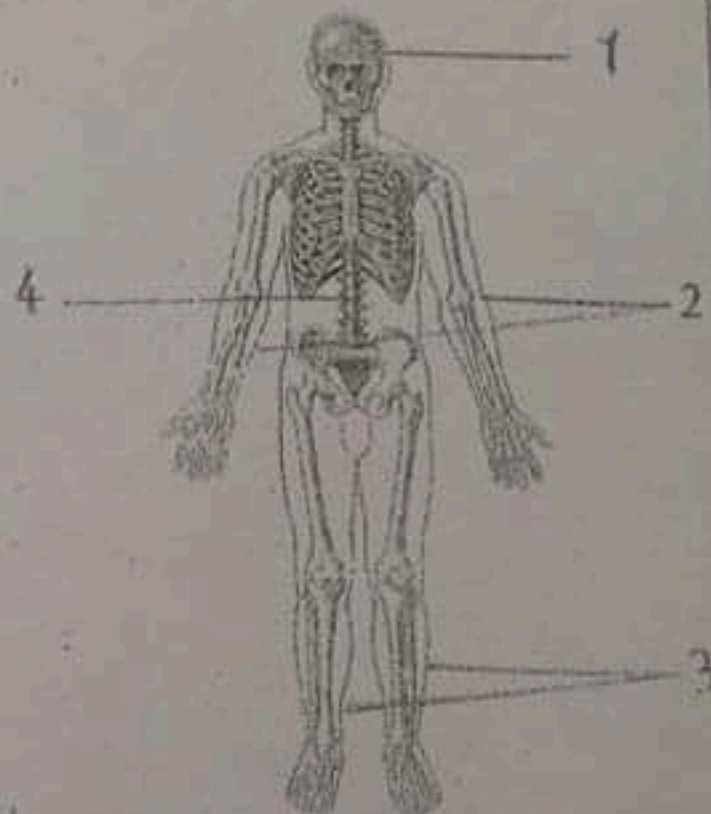
\* The labels :

✓ 1- Skull <sup>الجمجمة</sup>

✓ 2- upper limbs <sup>الأطراف العلوية</sup>

✓ 3- Lower limbs <sup>الأطراف السفلى</sup>

✓ 4- Back bone <sup>عظمة فقرات الظهر</sup>



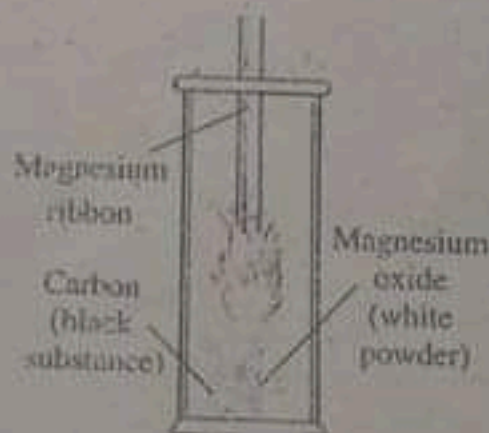
7) Write your conclusions :

Observation : <sup>تكون</sup> formation of :

1- White substance

2- black substance

Conclusions :



When lighted magnesium ribbon is put in cylinder filed with  $CO_2$

1- White substance is formed from magnesium oxide

2- black substance deposits on the wall of cylinder from ( carbon )





First term practical test (2015-2016).

A) Mention the name of the apparatus and its uses:

-Its name :balance scale

-Its uses: is used to measure large masses



B)Mention the name of produced gas then label the figures:

-Produced gas is: oxygen

1- Hydrogen peroxide

2- Manganese dioxide



Fig (3-63) Oxygen occupies one fifth of the air volume.

A) Mention the name of the apparatus and its uses:

-Its name: sensitive two arm scale

-Its uses: is used to measure small masses



B) Mention the name of produced gas then label the figures:

-Produced gas is carbon dioxide

1- Dilute hydrochloric acid

2- Calcium carbonate

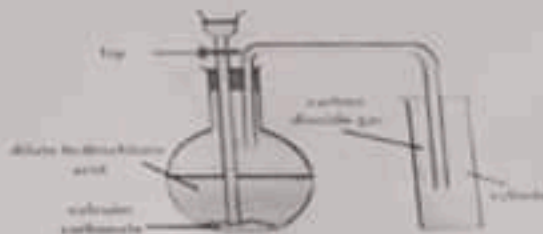


Fig (3-20) Preparation of Carbon dioxide

A) Mention the name of the apparatus and its uses:

-Its name :spring scale

-Its uses: is used to measure the weight





B

A) Mention the name of the apparatus and its uses:

-Its name: the medical thermometer

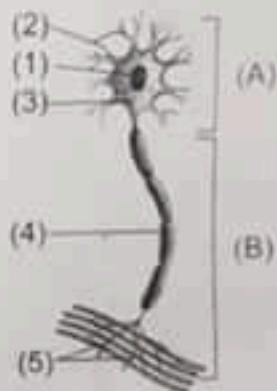
-Its uses: is used to measure the temperature the human body

2- Label the opposite figure

1- nucleus

2- Dendrites

3- Cytoplasm

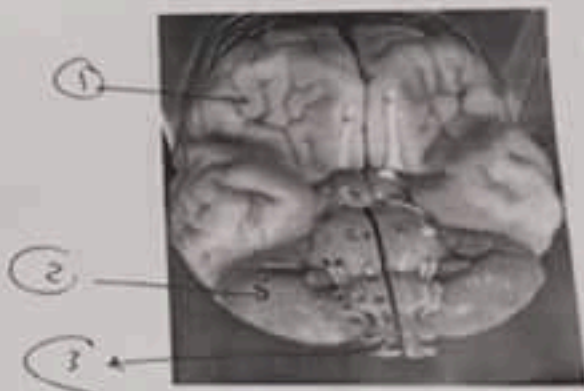


B) Label the organ in front of you:

1- Cerebrum

2- Cerebellum

3- The medulla oblongata



B) Label the apparatus in front of you:

1- Shoulder bones

2- fore arm bones

3- hand bones

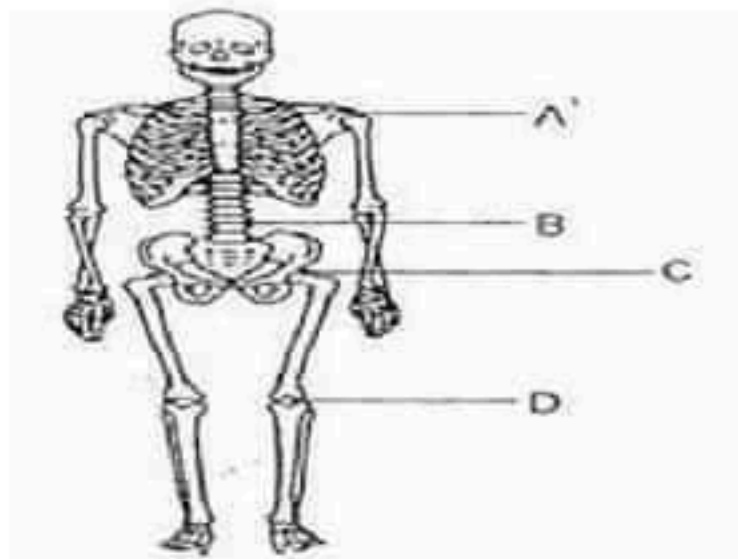




## Practical exam prim 6

### Exp.(1)

Write the names of the labele parts ?



A-Shoulder      B- backbone      C- pelvic      D- knee joint.

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### Exp . (2)

1- Identify the following part of the human body ?

2- Write the names of the labeled parts ?



A- Neuron

B-      1- Nucleus      2- axon      3- terminals



**Third Question :**

**( A ) Write the scientific term for each of the following :**

- 1- The basic structural unit of the nervous system.
- 2- The liquid that is used in making the Thermometers.
- 3- The amount of matter in an object.
- 4- The bony box in which the brain is located .
- 5- Materials that do not let heat flow through.
- 6- Chemical substance formed in the atmosphere as a result of combination between oxygen and nitrogen during lightning.

**( B ) What happens in the following state :**

- 1- Passing of carbon dioxide gas in clear lime water .
- 2- The over intake of stimulant materials such as tea and coffee .

**Fourth Question :**

**( A ) Give reasons for each of the following :**

- 1- During preparation of Nitrogen gas, air is passed over concentrated potassium hydroxide solution.
- 2- The rib cage surround both the heart and the lungs .
- 3- Cooking pots are made of aluminum while their handles are made of plastic and wood.

**( B )**

The shown apparatus used in the preparation of oxygen gas in laboratory

- Write the labels indicated by the number.

